

Appl. No. 09/836,685

Proposed Amendment dated August 5, 2003

**Proposed Amendment:**

Claim 1 (currently amended) Method for treating optical signals from a source thereof, which comprises the steps of:

- (a) providing a movable diffractive optical element (MDOE) having a surface carrying a holographic diffraction grating including an array of facets, each of said facets carrying a diffraction grating(s) which are superimposed, each being angularly offset with respect to each other;
- (b) directing a source of input optical signal(s), each of said input signal(s) being associated with a given wavelength, onto said MDOE to generate output signal(s);
- (c) supplying one or more output station(s); and
- (d) moving said MDOE to distribute <sup>any</sup> said output optical signal(s) <sup>to any</sup> among said output station(s), wherein said distribution is variable.

Claim 2 (withdrawn)

Claim 3 (previously amended) The method of claim 1, wherein said MDOE is provided as a magnet having said holographic diffraction grating attached thereto, and being magnetically coupled to a coil energizable for movement of said magnet and said diffraction grating.

Claims 4-16 (withdrawn)

Claim 17 (currently amended) A system for treating optical signals from a source thereof, which comprises:

- (a) a source carrying input optical signal(s), each of said signal(s) being associated with a particular wavelength;
- (b) a movable diffractive optical element (MDOE) having a surface carrying a holographic diffraction grating including an array of facets, each of said facets carrying a diffraction grating(s) which are superimposed, each being angularly offset with respect to each other, said MDOE being positioned to intercept said input optical signal(s) for generating and distributing output optical signal(s), said distributing being variable and;
- (c) output station(s) positioned to receive said output optical signal(s) from said MDOE

Claims 18-30 (withdrawn)

Claim 31 (cancelled)

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Claim 32 (currently amended) In a method for treating optical signals wherein optical signals provided by fiber optic cable(s) or laser diode(s) as input optical signals are distributed among output stations as output optical signals, each of said output stations comprising optical connector(s) positioned to receive said output optical signals, said optical connectors being selectively combinable to permit any combination of said output optical signals, the improvement which comprises the steps of:

- (a) providing a movable diffractive optical element (MDOE) having a surface carrying a holographic diffraction grating including an array of facets, each of said facets carrying a diffraction grating(s) which are superimposed, each being angularly offset with respect to each other;
- (b) directing said source of input optical signals onto said MDOE to generate output signals, each of said input signals being associated with a given wavelength; and
- (c) moving said MDOE to distribute said output optical signals among said output stations, said distributing of said output optical signals being variable.

Claims 33-39 (withdrawn)

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Respectfully submitted,

Date: August 5, 2003

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CERTIFICATE OF FACSIMILE

I hereby certify that this Request for Continued Examination and Request for Interview and Proposed Amendment is being submitted to Technology Center 2800 via facsimile to number 703-872-9319 for After Final Communications on August 5, 2003.

Jane Keeney  
Jane Keeney

**FAX RECEIVED**

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